Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	09/02/2015 10:54 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/20/2015 11:37 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124365	-1	4.49	124138	4.50
Blue	F	SSC	125000	124696	-1	2.78	125653	2.55
Blue	E	FITC	17998	17483	-3	2.64	986	9.73
Blue	D	PE	23234	22690	-3	2.15	1022	8.69
Blue	B	PerCP-Cy5-5	69571	68691	-2	2.94	1814	14.21
Blue	A	PE-Cy7	77815	76594	-2	4.07	991	27.25
Red	C	APC	65936	65324	-1	2.51	3695	8.13
Red	A	APC-Cy7	100669	99162	-2	2.57	1955	8.14
Violet	B	V450	10405	9799	-6	4.34	606	9.04
Violet	A	V500	47250	45166	-5	4.13	2550	6.57

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18772	25.02	621	42	N/A	N/A	Pass
Blue	F	SSC	62237	1.58	528	39	N/A	N/A	Pass
Blue	E	FITC	106	38.31	541	26	0.0212	165	Pass
Blue	D	PE	212	26.80	534	27	0.1583	185	Pass
Blue	B	PerCP-Cy5-5	218	43.17	623	33	0.0096	20	Pass
Blue	A	PE-Cy7	69	116.31	682	36	0.0126	19	Pass
Red	C	APC	343	27.47	592	14	0.0211	77	Pass
Red	A	APC-Cy7	121	40.07	572	13	0.0046	920	Pass
Violet	B	V450	64	48.89	477	27	0.0430	2559	Pass
Violet	A	V500	166	26.24	518	30	0.0134	1039	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-30.70	-30.50	0.68
Blue	20.47	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.20
Red	15.60	13.09 - 19.63	N/A	N/A	31.13	31.36	1.10

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 10323

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments